

Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	10/803,640
Filing Date	11/02/2002
First Named Inventor	Shalaby
Title	Amorphous Polymeric...
Group Art Unit	1711
Examiner Name	Hampton Hightower
Attorney Docket Number	SHA-26-CIP

I hereby appoint:

☒ Practitioners at Customer Number
 

29698

 →
 

Place Customer  
Number Bar Code  
Label here

☐ Practitioner(s) named below:
 

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.
 
 →
 

Place Customer  
Number Bar Code  
Label here

OR

☐ Practitioners at Customer Number
 
 →
 

Place Customer  
Number Bar Code  
Label here

OR

☐ Firm or  
Individual Name
 

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/98).
**SIGNATURE of Applicant or Assignee of Record**

Name

Signature

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of \_\_\_\_\_ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Shalaby  
Application No./Patent No.: 10/003,640 Filed/Issue Date: 11-02-2002  
Entitled: Amorphous Polymeric Polyaxial Initiators and Compliant  
Poly-med, Inc. a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached. 012866 0397

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.


☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

12/9/02  
Date

SHALABY W. SHALABY  
Typed or printed name  
Shalaby W. Shalaby  
Signature  
PRESIDENT  
Title

Please type a plus sign (+) inside this box → 

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

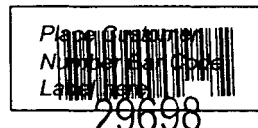
Application Number	10/003,640
Filing Date	11/02/2001
First Named Inventor	Shalaby
Title	Amorphous Polymeric...
Group Art Unit	1711
Examiner Name	Hampton Hightower...
Attorney Docket Number	SHA-26-CIP

I hereby appoint:

☒ Practitioners at Customer Number

☐ Practitioner(s) named below:

29698



Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

OR

Place Customer  
Number Bar Code  
Label here

☐ Firm or  
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name

Signature

Date

Torbjörn Mathisen  
Nov 7, 2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 4 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it display a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/003,640
Filing Date	11/02/2001
First Named Inventor	Shalaby
Title	Amorphous Polymeric
Group Art Unit	1711
Examiner Name	Hampton Hightower, P.
Attorney Docket Number	SHA-26-CIP

I hereby appoint:

☒ Practitioners at Customer Number 29698 →

☐ Practitioner(s) named below:



PATENT & TRADEMARK OFFICE

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number   →

Place Customer  
Number Bar Code  
Label here

☐ Firm or  
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name

Signature


Date

Per Egnelov  
*[Signature]*  
Nov 7, 2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 4 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → 

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

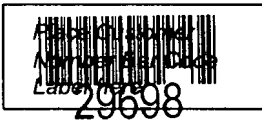
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it display a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/003,640
Filing Date	11/02/2001
First Named Inventor	Shalaby, et al.
Title	Amorphous Polymers
Group Art Unit	1711
Examiner Name	Hampton Hightower, P.
Attorney Docket Number	SHA-26-CIP

I hereby appoint:

☒ Practitioners at Customer Number 29698 → 

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number   → 

OR

☐ Firm or  
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name

*Fredrik Preinert*

Signature

*Fredrik Preinert*


Date

*Nov 7, 2001*

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 4 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box —→ 

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

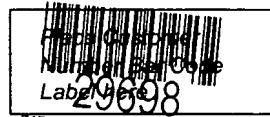
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it display a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/003,640
Filing Date	11/02/2001
First Named Inventor	Shelaby, et al.
Title	Amorphous, Polymeric...
Group Art Unit	1711
Examiner Name	Hampton Hightower, P.
Attorney Docket Number	SHA-26-CIP

I hereby appoint:

☒ Practitioners at Customer Number **29698** —→   
OR

☐ Practitioner(s) named below:


Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number  —→   
Label here

OR

☐ Firm or  
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name

Signature

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of **4** forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing      OR      ☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Dock t Number	SHA-26-CIP
First Named Inventor	Shalaby, et al.
<b>COMPLETE IF KNOWN</b>	
Application Number	10/003,640
Filing Date	11/02/2001
Art Unit	1711
Examiner Name	Hampton Hightower, P.

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

*Amorphous Polymeric Polyaxial Initiators and  
Compliant Crystalline Copolymers Therefrom*

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 11/02/2001 as United States Application Number or PCT International

 Application Number 10/003,640 and was amended on (MM/DD/YYYY)                      (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.


Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION — Utility or Design Patent Application**

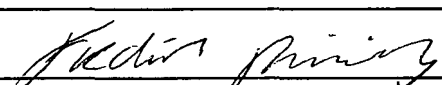
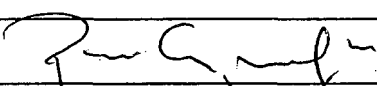
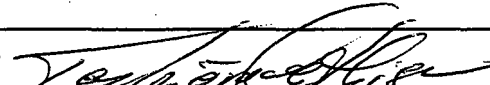
Direct all correspondence to: <input checked="" type="checkbox"/>		Customer Number or Bar Code Label			OR <input type="checkbox"/>	Correspondence address below	
<div style="font-size: 1.5em; font-weight: bold;">29698</div> <div style="font-size: 0.8em;">PATENT &amp; TRADEMARK OFFICE</div>							
Name							
Address							
City				State		ZIP	
Country			Telephone			Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
NAME OF SOLE OR FIRST INVENTOR :				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name <i>SHALABY W. SHALABY</i> (first and middle [if any])				Family Name <i>SHALABY</i> or Surname			
Inventor's Signature <i>Shalaby W. Shalaby</i>						Date <i>11/19/01</i>	
Residence: City			State		Country		Citizenship
Mailing Address							
City			State		ZIP		Country
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name <i>Dan</i> (first and middle [if any])				Family Name <i>Åkerfeldt</i> or Surname			
Inventor's Signature <i>Dan</i>						Date <i>2001-11-07</i>	
Residence: City <i>Uppsala</i>			State		Country <i>Sweden</i>		Citizenship <i>Swedish</i>
Mailing Address <i>Nyvla, S-755 92 Uppsala</i>							
City <i>Uppsala</i>			State		ZIP		Country <i>Sweden</i>
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.							



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION****ADDITIONAL INVENTOR(S)****Supplemental Sheet**

Page \_\_\_\_ of \_\_\_\_

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Fredrik		Family Name or Surname Preiniz	
Inventor's Signature 		Date 2001-11-07	
Residence: City Uppsala	State	Sweden Country	Swedish Citizenship
Mailing Address Körvelgatan 12A			
Mailing Address S-754 48 Uppsala			
City Uppsala	State	ZIP	Sweden Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Per		Family Name or Surname Egnelöv	
Inventor's Signature 		Date 2001-11-07	
Residence: City Uppsala	State	Sweden Country	Swedish Citizenship
Mailing Address Nannas väg 6			
Mailing Address S-754 40 Uppsala			
City Uppsala	State	ZIP	Sweden Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Torbjörn		Family Name or Surname Mathisen	
Inventor's Signature 		Date 2001-11-07	
Residence: City Stockholm	State	Sweden Country	Norwegian Citizenship
Mailing Address Tosterövägen 11			
Mailing Address S-125 42 Älvsjö			
City Stockholm	State	ZIP	Sweden Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

JULY 10, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

LEIGH P. GREGORY, ESQ.  
P.O. BOX 168  
CLEMSON, SC 29633-0168



\*102084612A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD  
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY  
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.  
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/06/2002

REEL/FRAME: 012866/0397

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

POLY-MED, INC.

DOC DATE: 11/09/2001

ASSIGNEE:

SHALABY, SHALABY W.

6309 HWY 187

ANDERSON, SOUTH CAROLINA 29625

ASSIGNEE:

AKERFELT, DAN

NYVLA, S755 92 UPPSALA, SWEDEN

ASSIGNEE:

PREINIZ, FREDRICK

KORVELGATAN 12A

S-754 48 UPPSALA, SWEDEN

ASSIGNEE:

EGNELOV, PER

NANNAS VAG 6

S-754 40 UPPSALA, SWEDEN

012866/0397 PAGE 2

ASSIGNEE:

MATHISEN, TORBJORN  
TOSTEROVAGEN 11  
S-125 42 ALVSJO, SWEDEN

SERIAL NUMBER: 10003640  
PATENT NUMBER:

FILING DATE: 11/02/2001  
ISSUE DATE:

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



CERTIFICATE OF MAILING

05-10-2002  
102084612

I HEREBY CERTIFY THAT THIS CORRESPONDENCE  
IS BEING DEPOSITED WITH THE UNITED STATES  
POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE  
PREPAID, IN AN ENVELOPE ADDRESSED TO:  
ASSISTANT COMMISSIONER OF PATENTS,  
WASHINGTON, DC 20231,  
ON April 25, 2002

*Leigh P. Gregory*  
LEIGH P. GREGORY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shalaby, et al.

Docket No.: SHA-26-CIP

Serial No.: 10/003,640

Group Art Unit: 1711

Filing Date: 11/02/2001

5.6.02

Title: Amorphous Polymeric Polyaxial Initiators and Compliant Crystalline Copolymers Therefrom

ASSIGNMENT COVER SHEET (37 CFR 3.31)

Honorable Commissioner of  
Patents and Trademarks  
Washington, DC 20231

Attn: Assignment Branch

Sir:

Attached please find an Assignment document for recordation.

1. This Assignment is for the following patent application and/or issued patent:

Serial No.: 10/003,640

Filed on: 11/02/2001

Patent No.: \_\_\_\_\_

Issued:

which was previously assigned:

Reel:

Frame:

The party conveying this interest: Shalaby W. Shalaby, 6309 Hwy 187, Anderson, SC 29625; Dan Akerfelt, a citizen of Sweden, residing at Nyvla, S-755 92 Uppsala, Sweden; Fredrick Preiniz, a citizen of Sweden, residing at Korvelgatan 12A, S-754 48 Uppsala, Sweden; Per Egnelov, a citizen of Sweden, residing at Nannas vag 6, S-754 40 Uppsala, Sweden; and Torbjorn Mathisen, a citizen of Norway, residing at Tosterovagen 11, S-125 42 Alvsjo Sweden.

2. The rights are being conveyed to:

Poly-Med, Inc.  
Westinghouse Road  
Pendleton, SC 29670

3. The accompanying document intends to accomplish: Assignment.

05/07/2002 YPOLITE1 00000050 10003640

03 FC:581

40.00 OP

4. Please address correspondence to:

Leigh P. Gregory, Esq.  
P.O. Box 168  
Clemson, SC 29633-0168

5. The attached assignment was executed on: November 9, 2001

6. The attached document:

X is in the English language.

— is not in the English language and a verified English translation signed by the individual making the translation is attached.

7. Submitted herewith is:

X the original document

— a true copy of the original document

8. a. This cover sheet identifies only one application.

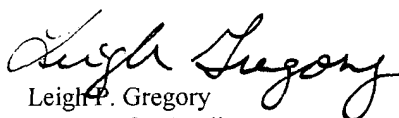
b. The fee for recordal (37 CFR 1.21 (h)) is \$40.00. A check for \$40.00 payable to the Commissioner of Patents and Trademarks is included herewith.

c. \_\_\_ Total number of pages including cover sheet, attachments and document.

9. This document is filed in duplicate.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,



Leigh P. Gregory  
Attorney for Applicant  
Registration No. 33,241

P.O. Box 168  
Clemson, SC 29633-0168  
(864)654-1080

April 25, 2002  
DATE

ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, Shalaby W. Shalaby, a citizen of the United States, residing at 6309 Highway 187, Anderson, SC 29625; Dan Åkerfeldt, a citizen of Sweden, residing at Nyvla, S-755 92 Uppsala, Sweden; Fredrick Preiniz, a citizen of Sweden, residing at Körvelgatan 12A, S-754 48 Uppsala, Sweden; Per Egnelöv, a citizen of Sweden, residing at Nannas väg 6, S-754 40 Uppsala, Sweden; and Torbjörn Mathisen, a citizen of Norway, residing at Tosterövägen 11, S-125 42 Älvsjö, Sweden, as assignors, have made an invention entitled Amorphous Polymeric Polyaxial Initiators and Compliant Crystalline Copolymers Thereof as described in a patent application for U.S. Letters Patent, filed on November 2, 2001 in the U.S. Patent and Trademark Office; and

WHEREAS, POLY-MED, INC. a body politic and corporate under the laws of the State of South Carolina, whose post office address is 511 Westinghouse Road, Pendleton, South Carolina, 29670; as assignee, is desirous of securing the entire, right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and we hereby authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment.

AND, we HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

AND, we HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this

invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hands.

Sally W. Shalaby  
SHALABY W. SHALABY  
Nov. 9, 2001  
Date

Dan Åkerfeldt (DAN ÅKERFELDT)  
2001-11-07  
Date

Fredrik Perin  
2001-11-07  
Date  
(Fredrik Perin)  
Torbjörn Melhise  
2001-11-07  
Date  
(Torbjörn Melhise)

Per Egnell  
2001-11-06  
Date  
(Per Egnell)

CERTIFICATE OF MAILING



I HEREBY CERTIFY THAT THIS CORRESPONDENCE  
IS BEING DEPOSITED WITH THE UNITED STATES  
POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE  
PREPAID, IN AN ENVELOPE ADDRESSED TO:  
ASSISTANT COMMISSIONER OF PATENTS,  
WASHINGTON, DC 20231,  
ON April 25, 2002

*Leigh P. Gregory*  
LEIGH P. GREGORY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shalaby, et al.

Docket No.: SHA-26-CIP

Serial No.: 10/003,640

Group Art Unit: 1711

Filing Date: 11/02/2001

Title: Amorphous Polymeric Polyaxial Initiators and Compliant Crystalline Copolymers Therefrom

ASSIGNMENT COVER SHEET (37 CFR 3.31)

Honorable Commissioner of  
Patents and Trademarks  
Washington, DC 20231

Attn: Assignment Branch

Sir:

Attached please find an Assignment document for recordation.

1. This Assignment is for the following patent application and/or issued patent:

Serial No.: 10/003,640

Filed on: 11/02/2001

Patent No.:

Issued:

which was previously assigned:

Reel:

Frame:

The party conveying this interest: Shalaby W. Shalaby, 6309 Hwy 187, Anderson, SC 29625; Dan Akerfelt, a citizen of Sweden, residing at Nyvå, S-755 92 Uppsala, Sweden; Fredrick Preiniz, a citizen of Sweden, residing at Korvelgatan 12A, S-754 48 Uppsala, Sweden; Per Egnelov, a citizen of Sweden, residing at Nannas väg 6, S-754 40 Uppsala, Sweden; and Torbjorn Mathisen, a citizen of Norway, residing at Tosterovägen 11, S-125 42 Alvsjö Sweden.

2. The rights are being conveyed to:

Poly-Med, Inc.  
Westinghouse Road  
Pendleton, SC 29670

3. The accompanying document intends to accomplish: Assignment.



4. Please address correspondence to:

Leigh P. Gregory, Esq.  
P.O. Box 168  
Clemson, SC 29633-0168

5. The attached assignment was executed on: November 9, 2001

6. The attached document:

☒ is in the English language.

☐ is not in the English language and a verified English translation signed by the individual making the translation is attached.

7. Submitted herewith is:

☒ the original document

☐ a true copy of the original document

8. a. This cover sheet identifies only one application.

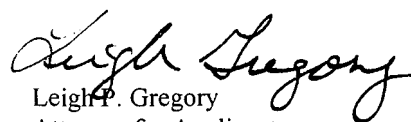
b. The fee for recordal (37 CFR 1.21 (h)) is \$40.00. A check for \$40.00 payable to the Commissioner of Patents and Trademarks is included herewith.

c.      Total number of pages including cover sheet, attachments and document.

9. This document is filed in duplicate.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,



Leigh P. Gregory  
Attorney for Applicant  
Registration No. 33,241

P.O. Box 168  
Clemson, SC 29633-0168  
(864)654-1080

April 25, 2002  
DATE

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS  
FIRST CLASS MAIL POSTAGE PREPAID IN AN ENVELOPE  
ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS,  
WASHINGTON, D.C. 20231  
ON 12-10-2002

Leigh P. Gregory  
Leigh P. Gregory  
Registration No. 33,241  
12-10-2002  
DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shalaby, et al. Examiner: Hampton Hightower, P.  
Serial No.: 10/003,640 Group Art Unit: 1711  
Filed: 11/02/2001 Docket: SHA-26-CIP  
For: Amorphous Polymeric Polyaxial Initiators and Compliant Crystalline  
Copolymers Therefrom

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR §1.56 and in accordance with 37 CFR §1.97 et. seq., Applicants, through and by their attorney, hereby direct the Examiner's attention to the documents enclosed.

A filled in form listing the enclosed U.S. Patents, European publications, and journal publications is presented herewith for the Examiner's review and convenience. A copy of each of the listed documents is enclosed.

The Examiner is requested to independently review these cited documents for their relevance to the present case.

Respectfully submitted,

Leigh P. Gregory  
Leigh P. Gregory  
Attorney for Applicant  
Registration No. 33,241

P.O. Box 168  
Clemson, SC 29633-0168  
DATE: 12-10-2002

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Shalaby  
 SERIAL NO.: 10/003,640  
 FILING DATE: 11/02/2001

GROUP ART UNIT: 1711  
 EXAMINER: Hampton-Hightower, P.  
 DOCKET: SHA-26-CIP

LIST OF PRIOR ART CITED BY APPLICANT

## U.S. PATENT DOCUMENTS

Examiner's Initial	U.S. Pat. No.	Inventor(s)	Issue Date (or Publication)	U.S. Cl.	Filed
1.	4,429,080	Casey et al.	1.31.84	525/415	7.1.82
2.	4,470,416	Kafrawy et al.	9.11.84	128/335.5	6.17.83
3.	4,532,928	Bezwada et al.	8.6.85	128/335.5	7.5.84
4.	4,543,952	Shalaby et al.	10.1.85	128/335.5	9.14.83
5.	5,133,739	Bezwada et al.	7.28.92	606/230	5.13.91
6.	5,236,444	Muth et al.	8.17.93	606/230	10.27.92
7.	5,403,347	Roby et al.	4.4.95	606/230	3.2.94
8.	5,431,679	Bennett et al.	7.11.95	606/230	3.10.94
9.	5,468,253	Bezwada et al.	11.21.95	606/228-231	1.21.93
10.	5,554,170	Roby et al.	9.10.96	606/230	1.26.95
11.	5,620,461	Muijs Van de Moer et al.	4.15.97	606/213	1.5.95
12.	5,644,002	Cooper et al.	7.1.97	525/411	7.22.96
13.	5,713,920	Bezwada et al.	2.3.98	606/230	8.7.95
14.	6,462,169	Shalaby	10.8.02	528/354	10.27.00

## FOREIGN PATENT DOCUMENTS

Examiner's Initial	Document Description		
15.	EP 0 737 703 A2 filed 4.12.96	Int. Cl. C08G 63/664	published 10.16.96
16.	EP 0 618 250 A1 filed 3.28.94	Int. Cl. C08G 63/91	published 10.5.94
17.	EP 0 697 427 A2 filed 7.19.95	Int. Cl. C08G 63/08	published 2.21.96
18.	EP 0 712 880 A2 filed 11.7.95	Int. Cl. C08G 81/00	published 5.22.96

OTHER PRIOR ART

Examiner's Initial	Document Description
19.	Correa et al., Sixth World Biomaterials Congress, <i>Trans Soc Biomat.</i> , II, 992 (2000)
20.	L. Mandelkern, <i>Crystallization of Polymers</i> , McGraw-Hill Book Company, NY, 1964, p. 105-106
21.	S.W. Shalaby, Chapter 3 of <i>Thermal Characterization of Polymeric Materials</i> (E.A. Turi ed.) Academic Press, NY, 1981, p. 330
21.	S.W. Shalaby and H.E. Blair, Chapter 4 of <i>Thermal Characterization of Polymeric Materials</i> (E.A. Turi ed.) Academic Press, NY, 1981, p. 402